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PATENT #2
Attorney Docket No.: 019957-011212US

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By: Debra Ann DeBello

Debra Ann DeBello

31000 U.S. PTO
10/081455
02/21/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Paulson et al.

Application No.: Unassigned

Filed: February 21, 2002

For: PRACTICAL IN VITRO
SIALYLATION OF RECOMBINANT
GLYCOPROTEINS

Examiner: Manjunath N. Rao (parent)

Art Unit: 1652 (parent)

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

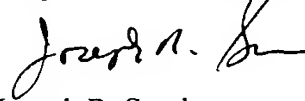
The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 09/007,741, filed 01/15/98 (Attorney Docket No. 019957-011210US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Joseph R. Snyder
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet **1** of **3**

Complete if Known

Application Number	Unassigned
Filing Date	February 21, 2002
First Named Inventor	Paulson, James C.
Group Art Unit	1652 (parent)
Examiner Name	Manjunath N. Rao (parent)
Attorney Docket Number	019957-011212US

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	AA	5047335		J. Paulson et al.	09/10/91	
	AB	5272066		M.L.E. Bergh et al.	12/21/93	
	AC	5374541				
	AD	5541083		J.C. Paulson et al.	07/30/96	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	AE	PCT	WO 92/16640					
	AF	PCT	WO 94/25615					

Examiner Signature

Date Considered

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Unique citation designation number. ³ See attached Kinds of U.S. Patent Documents ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3) ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **2** of **3**

Complete if Known

Application Number	Unassigned
Filing Date	November 8, 2001
First Named Inventor	Paulson, James C.
Group Art Unit	1652 (parent)
Examiner Name	Manjunath N. Rao (parent)
Attorney Docket Number	019957-011211US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AG	MC Field et al., <u>Glycobiology</u> (1995) 5(5): 463-472	
	AH	A. Harduin-Lepers et al., <u>Glycobiology</u> (1995) 5(8): 741-758	
	AI	M Kono et al., <u>Glycobiology</u> (1997) 7(4): 469-479	
	AJ	M.A. Williams et al., <u>Glycoconjugate Journal</u> (1995) 12: 755-761	
	AK	L. Borsig et al., <u>Biochemical and Biophysical Research Communications</u> (May 5, 1995) 210(1): 14-20	
	AL	M. Gilbert et al., <u>The Journal of Biological Chemistry</u> (November 8, 1996) 271(45): 28271-28276	
	AM	C.F. Goochee et al., "The Oligosaccharides of Glycoproteins: Bioprocess Factors Affecting Oligosaccharide Structure and Their Effect on Glycoprotein Properties," <u>Review</u> , Dept. of Chemical Engineering, Stanford Univ., Stanford, CA	
	AN	D.H. Joziassse et al., <u>Journal of Biological Chemistry</u> (Jan. 25, 1985) 260(2) 714-719	
	AO	D.H. Joziassse et al., <u>Journal of Biological Chemistry</u> (Feb. 15, 1987) 262(5): 2025-2033	
	AP	J.C. Paulson et al., <u>Journal of Biological Chemistry</u> (Apr. 10, 1977) 252(7) 2363-2371	
	AQ	S. Tsuji et al., <u>Glycobiology</u> (1996) 6(7): v-xiv	
	AR	A. Varki, <u>Glycobiology</u> (1992) 2(1): 25-40	
	AS	J. Weinstein et al., <u>Journal of Biological Chemistry</u> (Nov. 25, 1982) 257(22): 13845-13853	
	AT	T. Yamamoto et al., <u>J. Biochem.</u> (1996) 120: 104-110	
	AU	J.C. Yeh and R.D. Cummings, "Differential Recognition of Glycoprotein Acceptors by Terminal Glycosyltransferases," Dept. of Biochemistry and Molecular Biology, Univ. of Oklahoma Health Sciences Center, Oklahoma City, OK	

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Signature

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Sheet **3** of **3**

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Filing Date	November 8, 2001
First Named Inventor	Paulson, James C.
Group Art Unit	1652 (parent)
Examiner Name	Manjunath N. Rao (parent)
Attorney Docket Number	019957-011211US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AV	Gooch et al., <u>Bio/Technology</u> (1991) 9: 1347-1355	
	AW	Wen et al. <u>J. Biol. Chem.</u> (1992) 267: 21011	
	AX	Van den Eijnden et al. <u>J. Biol. Chem.</u> (1981) 256: 3159	
	AY	Sasaki et al. <u>J. Biol. Chem.</u> (1993) 268: 22782-22787	
	AZ	Kitagawa & Paulson <u>J. Biol. Chem.</u> (1994) 269: 1394-1401	
	AAA	Kitagawa et al. <u>J. Biol. Chem.</u> (1996) 271: 931-938	
	ABB	Paulson et al. <u>J. Biol. Chem.</u> (1978) 253: 5617-5624	
	ACC	Wallenfels et al. <u>Meth. Enzymol.</u> (1966) 9: 112-116	

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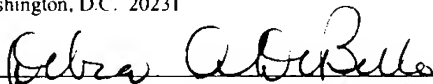
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Examiner: Manjunath N. Rao (parent)

Art Unit: 1652 (parent)

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER 37
CFR §1.97 and §1.98

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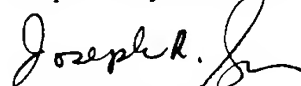
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Respectfully submitted,



Joseph R. Snyder
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Sheet

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of

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Application Number

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Filing Date

February 21, 2002

First Named Inventor

Paulson, James C.

Group Art Unit

1652 (parent)

Examiner Name

Manjunath N. Rao (parent)

Attorney Docket Number

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		Number	Kind Code ² (if known)			
	AA	5834251		Maras et al.	11/10/98	
	AB					
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	AU							
	AV							
	AW							
	AX							
	AY							
	AZ							
	BA							

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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